

**FINAL
OPERATIONAL RANGE ASSESSMENT PROGRAM
PHASE I QUALITATIVE ASSESSMENT REPORT
FORT ALLEN
JUANA DÍAZ, PUERTO RICO**

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Prepared for:

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EXECUTIVE SUMMARY

The United States (U.S.) Army is conducting qualitative assessments at operational ranges to meet the requirements of Department of Defense policy and to support the U.S. Army Sustainable Range Program. The operational range qualitative assessment (hereinafter referred to as Phase I Assessment) is the first phase of the U.S. Army Operational Range Assessment Program (ORAP). This Phase I Assessment evaluates the operational range area at Fort Allen to assess whether further investigation is needed to determine if potential munitions constituents of concern (MCOC) are or could be migrating off-range at levels that may pose an unacceptable risk to human health or the environment. In conducting the Phase I Assessment, MCOC sources, potential off-range migration pathways, and potential off-range human and ecological receptors are evaluated as appropriate.

Fort Allen is located on the southern coast of Puerto Rico, approximately 10 miles west of the city of Ponce and one mile north of the Caribbean Sea. Fort Allen is a federally owned facility that is operated by the Puerto Rico Army National Guard (PRARNG) under a license with the U.S. Army Corps of Engineers (PRARNG Real Estate Officer pers. comm.). Fort Allen consists of approximately 797 acres (approximately one mile wide by one and one-half miles long) and is bounded on the east by Road (Carretera) No. 149 (PRARNG Real Estate Officer pers. comm.). According to the Final Army Range Inventory Database-Geodatabase (2006), three operational ranges encompassing 423 acres are present at the installation. The three operational ranges at Fort Allen are a helipad and two training and maneuver areas. The remaining 374 acres at Fort Allen are categorized as other than operational areas (ARID-GEO, 2006). The other than operational areas at Fort Allen include the cantonment area where most of the PRARNG classroom training takes place, the abandoned runways, taxiways, and other facilities associated with the former use of Fort Allen as an airbase, and the property leased to the Department of the Navy (USACE, 2006).

The Department of the Navy leases 117 acres of the other than operational area at Fort Allen for the operation of a Relocatable Over the Horizon Radar System (USACE, 2006). Just outside the installation boundary of Fort Allen lies the U.S. Army Reserve (USAR) Light Training Center (LTC) Pesquera. The 40-acre USAR LTC Pesquera is officially leased PRARNG property that is not part of the Fort Allen footprint. The USAR LTC Pesquera is assessed under ORAP as its own facility.

Within the 374-acre other than operational area is one munitions response site. It is a former range that is being addressed within the Military Munitions Response Program. Outside of the current Fort Allen boundary, there is a transferred former range that is being addressed under the Formerly Used Defense Sites program. This transferred range is no longer federally owned or operated. These former ranges are not included in the ORAP, nor are they evaluated in this Phase I Assessment.

A review of available records and background data, as well as interviews with PRARNG personnel, indicated that the three operational ranges at Fort Allen, a helipad and two training and maneuver areas, are not used and have never been used for training involving military munitions. The mission of Fort Allen is to provide classroom training for the Regional Training Institute (USACE, 2006). All PRARNG munitions training occurs at Camp Santiago, located roughly 30 miles to the east. Because operational range training areas at Fort Allen do not involve, and historically have not involved, the use of military munitions, there are no potential sources of MCOC related to Fort Allen operational ranges. Therefore, potential off-range migration pathways and potential off-range human and ecological receptors were not evaluated, and the three operational ranges are categorized as Unlikely.

Installations with operational ranges where no munitions or only small caliber blanks have been

utilized are categorized as Unlikely. That is, based on a review of available information, there is sufficient evidence to show that due to the lack of munitions use there are no known releases or source-receptor interactions that could present an unacceptable risk to human health or the environment. Ranges categorized as Unlikely are required to be re-evaluated at least every five years. Re-evaluation may occur sooner if significant changes (e.g., change in range operations or site conditions, regulatory changes) occur that affect determinations made during this Phase I Assessment. **Table ES-1** summarizes the Phase I Assessment findings.

Table ES-1: Summary of Findings and Conclusions for Fort Allen

Category	Total Number of Ranges and Acreage	Source(s)	Pathways(s)	Human and Ecological Receptors	Conclusions
Unlikely	Three operational ranges; 423 acres	No source—no current or historical use of live-fire military munitions	Not evaluated (no source identified)		Re-evaluate during the five-year review.

ABBREVIATIONS/ACRONYMS

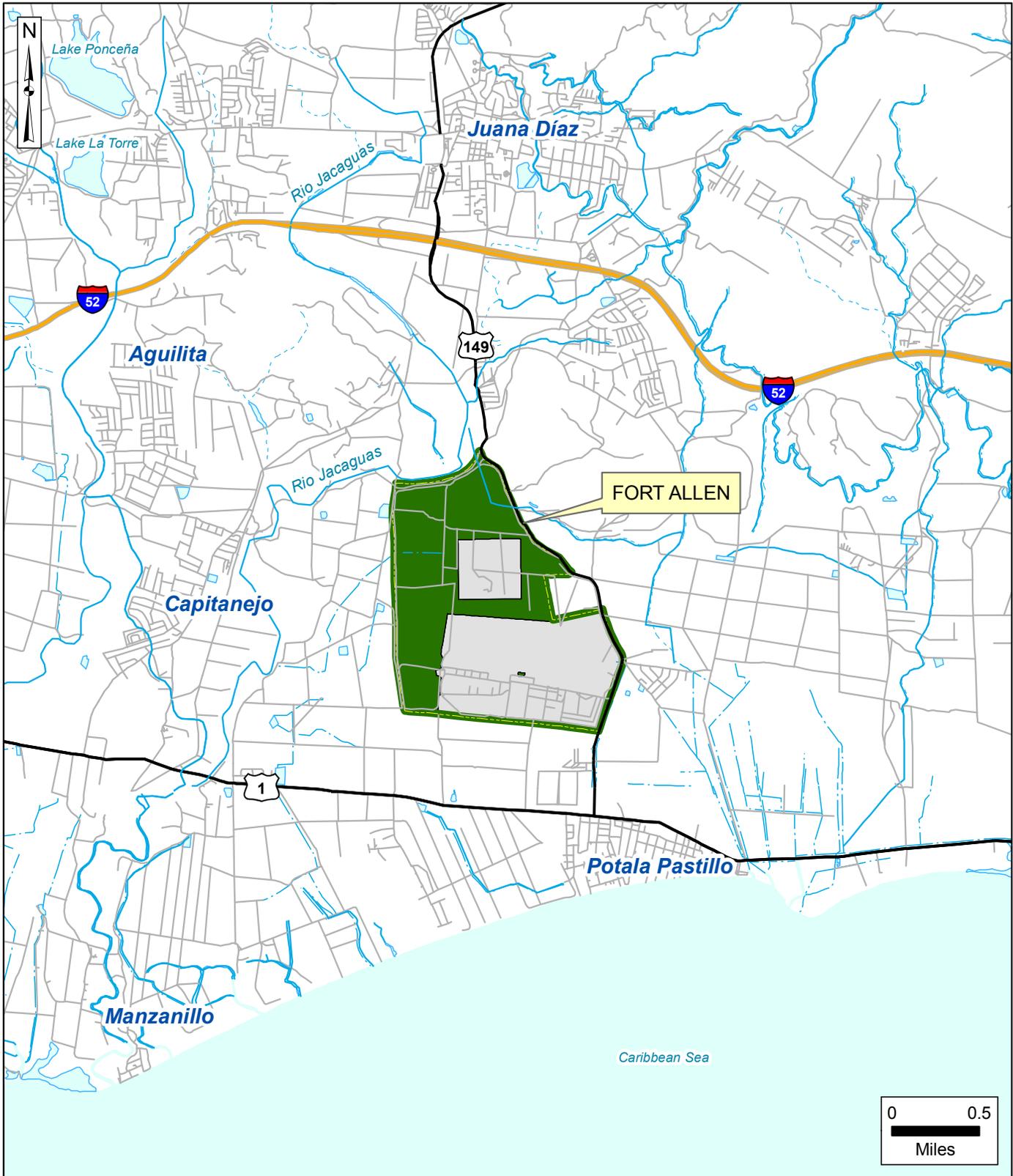
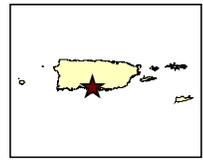
ARID-GEO	Army Range Inventory Database-Geodatabase
ASP	Ammunition Supply Point
CSM	Conceptual Site Model
DoD	Department of Defense
LTC	Light Training Center
MCOG	Munitions Constituents of Concern
ORIS	Operational Range Inventory Sustainment
ORAP	Operational Range Assessment Program
PRARNG	Puerto Rico Army National Guard
RFMSS	Range Facility Management Support System
ROTHR	Relocatable Over the Horizon Radar
U.S.	United States
USACE	United States Army Corps of Engineers
USAR	United States Army Reserve



Operational Range Assessment Program
Phase I Qualitative Assessment
Fort Allen, PR

Figure 2-1

General Fort Allen Location and Operational Range Area



- Installation**
- Installation Boundary
 - Operational Area
 - Other than Operational Area

- Hydrology**
- Perennial Stream
 - Intermittent Stream
 - Canal/Ditch
 - Water Body

- Transportation**
- Highway
 - Major Road
 - Local Road

Data Sources:
AEC, ARID-GEO, July 2006

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